AMENDMENTS TO THE CLAIMS

1-19. (Cancelled)

20. (Currently amended) An enzyme immunoassay chip comprising a micro channel, which comprises a reaction liquid leading-in flow passage part, a reaction flow passage part and a detection flow passage part, which are successively connected with each other on a substrate, wherein the reaction flow passage part consists of an inlet part for bead-bodies with antibodies fixed thereon, a flow stopping part for stopping the flow of the bead-bodies through the reaction flow passage part and an area between the inlet part for the bead-bodies and the flow stopping part, wherein the flow stopping part has a channel depth that is shallower than that of the reaction flow passage part to thereby stop the flow of bead-bodies through the reaction flow passage part,

wherein the reaction flow passage part and the detection flow passage part are arranged so that a majority of enzyme reaction products produced by antigen-antibody reactions with an enzyme in the reaction flow passage part reach the detection flow passage part so as to produce increased signal strength.

21. (Currently amended) An enzyme immunoassay method which comprises

providing an enzyme immunoassay chip comprising a micro channel, which comprises a reaction liquid leading-in flow passage part, a reaction flow passage part and a detection flow passage part, which are successively connected with each other on a substrate, wherein the reaction flow passage part consists of an inlet part for bead-bodies with antibodies fixed thereon, a flow stopping part for stopping the flow of the bead-bodies through the reaction flow passage part and an area between the inlet part for the bead-bodies and the flow stopping part, wherein the flow stopping part has a channel depth that is shallower than that of the reaction flow passage part to thereby stop the flow of bead-bodies through the reaction flow passage part,

wherein the reaction flow passage part and the detection flow passage part are arranged so that a majority of enzyme reaction products produced by antigen-antibody reactions with an enzyme in the reaction flow passage part reach the detection flow passage part and are detected by a thermal lens microscope system in the detection flow passage part so as to produce increased signal strength.